

Claims

1. A method for treating a photovoltaically active layer with a solvent and/or by annealing, characterized in that said photovoltaically active layer comes into contact with solvent molecules and/or is heated.
2. The method as defined in claim 1, wherein said photovoltaically active layer is a polyalkylthiophene that is present in mixture with an additive such as a fullerene, particularly a methanofullerene.
3. The method as defined in either of claims 1 and 2, wherein said photovoltaically active layer is exposed to a solvent vapor.
4. The method as defined in claim 3, wherein said photovoltaically active layer is exposed to said solvent vapor at room temperature.
5. The method as defined in one of the preceding claims, wherein said photovoltaically active layer is exposed to said solvent vapor for no longer than one minute.
6. The method as defined in one of the preceding claims, wherein said solvent xylene, toluene, butanone and/or chloroform and/or a further solvent and/or an arbitrary mixture of said solvents at least partially etches or softens said polyalkylthiophene.
7. The method as defined in one of the preceding claims, wherein said photovoltaically active layer is annealed at a temperature of at least 70°C.
8. A photovoltaic element comprising a photovoltaically active layer containing a polyalkylthiophene in mixture, wherein the photovoltaic layer has an absorption maximum in the deep red region.